



Title of Change:	Qualification of nonconductive die attach epoxy ABLESTIK 8900NC in TSOP5, TSOP6, US8, SC82 and SOT23A devices as an alternative to the current non-conductive epoxy Hitachi EN4370K3 due to end of life.			
Proposed first ship date:	14 May 2019			
Contact information:	Contact your local ON Semiconductor Sales Office or <PCN.Support@onsemi.com>			
Samples:	Contact your local ON Semiconductor Sales Office or <PCN.samples@onsemi.com> Sample requests are to be submitted no later than 30 days from the date of first notification, Initial PCN or Final PCN, for this change.			
Additional Reliability Data:	Contact your local ON Semiconductor Sales Office or <MohdHairwan.MdNor@onsemi.com>			
Type of notification:	This is a Final Product/Process Change Notification (FPCN) sent to customers. FPCNs are issued 90 days prior to implementation of the change. ON Semiconductor will consider this change accepted, unless an inquiry is made in writing within 30 days of delivery of this notice. To do so, contact <PCN.Support@onsemi.com>			
Change Part Identification:	Materials assembly with new material will be identified with date code.			
Change Category:	<input type="checkbox"/> Wafer Fab Change <input checked="" type="checkbox"/> Assembly Change <input type="checkbox"/> Test Change <input type="checkbox"/> Other _____			
Change Sub-Category(s):	<input type="checkbox"/> Manufacturing Site Addition <input checked="" type="checkbox"/> Material Change <input type="checkbox"/> Datasheet/Product Doc change <input type="checkbox"/> Manufacturing Site Transfer <input type="checkbox"/> Product specific change <input type="checkbox"/> Shipping/Packaging/Marking <input type="checkbox"/> Manufacturing Process Change <input type="checkbox"/> Other: _____			
Sites Affected:	ON Semiconductor Sites: ON Seremban, Malaysia	External Foundry/Subcon Sites: None		
Description and Purpose:				
<p>ON Semiconductor would like to inform its customers of the qualification of non-conductive die attach epoxy Ablestik 8900NC for products listed in this Final Product Change Notification (FPCN). This epoxy will replace the current non-conductive die attach epoxy Hitachi EN4370K3 due to end of life. At the end of the FPCN approval cycle, these products will be using epoxy Ablestik 8900NC as the die attach epoxy Hitachi EN4370K3 may no longer available.</p> <p>No change for test.</p> <p>For assembly, BOM change associated with this FPCN is shown here.</p>				
	Before Change Description	After Change Description		
Die Attach	Non-conductive epoxy Hitachi EN4370K3	Non-conductive epoxy Ablestik 8900NC		
There is no product marking change as a result of this change				
Reliability Data Summary:				
<p>QV DEVICE NAME : NLV7WBD3125USG RMS S48814 PACKAGE US8</p>				
Test	Specification	Condition	Interval	Results
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/252



QV DEVICE NAME : NCV551SN30T1G

RMS S48691

PACKAGE TSOP5

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
PTC	JESD22-A105	Ta=-40°C to +125°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/756
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

QV DEVICE NAME : NCS2002SN1T1G

RMS S48812

PACKAGE TSOP6

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
AC	JESD22-A118	121°C, 100% RH, 15psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/756
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

QV DEVICE NAME : N24C64UVTG

RMS S49777

PACKAGE US8

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/756
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

QV DEVICE NAME : NCV305LSQ20T1G

RMS S48688

PACKAGE SC82

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
AC	JESD22-A118	121°C, 100% RH, 15psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/504
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90



QV DEVICE NAME : NCV51460SN33T1G

RMS S48792

PACKAGE SOT23

Test	Specification	Condition	Interval	Results
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
UHAST	JESD22-A118	130°C, 85% RH, 18.8 psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/504
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

QV DEVICE NAME : NLV7SB3257DTT1G

RMS S48908

PACKAGE SC82

Test	Specification	Condition	Interval	Results
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/252

Electrical Characteristic Summary: Electrical characteristics are not impacted.

List of Affected Parts:

Note: Only the standard (off the shelf) part numbers are listed in the parts list. Any custom parts affected by this PCN are shown in the customer specific PCN addendum in the PCN email notification, or on the [PCN Customized Portal](#).

Part Number	Qualification Vehicle
M74VHC1GT66DTT1G	NCV551SN30T1G & NLV7SB3257DTT1G
MAX1720EUTG	NCS2002SN1T1G
MC33064SN-5T1G	NCV551SN30T1G & NLV7SB3257DTT1G
MC34064SN-5T1G	NCV551SN30T1G & NLV7SB3257DTT1G
MC34164SN-5T1G	NCV551SN30T1G & NLV7SB3257DTT1G
MC74VHC1G66DTT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCL30073SN065T1G	NCS2002SN1T1G
NCL30100SNT1G	NCS2002SN1T1G
NCL30288BSNT1G	NCS2002SN1T1G
NCP1250ASN65T1G	NCS2002SN1T1G
NCP1250BSN65T1G	NCS2002SN1T1G
NCP12510ASN100T1G	NCS2002SN1T1G
NCP12510ASN65T1G	NCS2002SN1T1G
NCP12510BSN100T1G	NCS2002SN1T1G
NCP12510BSN65T1G	NCS2002SN1T1G
NCP12510CSN65T1G	NCS2002SN1T1G



Final Product/Process Change Notification

Document # : FPCN22523XA

Issue Date: 7 February 2019

NCP1251ASN100T1G	NCS2002SN1T1G
NCP1251ASN65T1G	NCS2002SN1T1G
NCP1251BSN100T1G	NCS2002SN1T1G
NCP1251BSN65T1G	NCS2002SN1T1G
NCP1251CSN65T1G	NCS2002SN1T1G
NCP1251FSN65T1G	NCS2002SN1T1G
NCP1253BSN100T1G	NCS2002SN1T1G
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NCP305LSQ32T1G	NCV305LSQ20T1G
NCP305LSQ33T1G	NCV305LSQ20T1G



Final Product/Process Change Notification

Document # : FPCN22523XA

Issue Date: 7 February 2019

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NCP360SNAIT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP360SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP361SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP380HSN05AAT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP380HSN05AAT2G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP380HSN10AAT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP380HSNAJAAT1G	NCS2002SN1T1G
NCP380LSN05AAT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP380LSN10AAT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP380LSNAJAAT1G	NCS2002SN1T1G
NCP4306DADZZDASNT1G	NCS2002SN1T1G
NCP4306DAHZZAASNT1G	NCS2002SN1T1G
NCP431ACSNT1G	NCV51460SN33T1G
NCP431AISNT1G	NCV51460SN33T1G



NCP431AVSNT1G	NCV51460SN33T1G
NCP431BCSNT1G	NCV51460SN33T1G
NCP431BISNT1G	NCV51460SN33T1G
NCP431BVPSNT1G	NCV51460SN33T1G
NCP431BVSNT1G	NCV51460SN33T1G
NCP4328BSNT1G	NCS2002SN1T1G
NCP4352SNT1G	NCS2002SN1T1G
NCP4353ASNT1G	NCS2002SN1T1G
NCP4353BSNT1G	NCS2002SN1T1G
NCP5005SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP5006SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP5007SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NL7WB66USG	NLV7WBD3125USG & N24C64UVTG
NLAS1053USG	NLV7WBD3125USG & N24C64UVTG
NLAS2066USG	NLV7WBD3125USG & N24C64UVTG
NLAS2066UST3G	NLV7WBD3125USG & N24C64UVTG
NLAS323USG	NLV7WBD3125USG & N24C64UVTG
NLAS324USG	NLV7WBD3125USG & N24C64UVTG
NLAS325USG	NLV7WBD3125USG & N24C64UVTG
NLAS4599DTT1G	NCS2002SN1T1G
NLAST4599DTT1G	NCS2002SN1T1G
NS5B1G384DTT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NS5B1G385DTT1G	NCV551SN30T1G & NLV7SB3257DTT1G
SCP380HSNAJAAT1G	NCS2002SN1T1G
SCY1406SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
SCY99234SN1T1G	NCV51460SN33T1G
SCY99235SNT1G	NCV51460SN33T1G
SCYAST4599DTT1G	NCS2002SN1T1G
TLV431ASN1T1G	NCV51460SN33T1G
TLV431ASNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
TLV431BSN1T1G	NCV51460SN33T1G
TLV431BSNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
TLV431CSN1T1G	NCV51460SN33T1G

Japanese translation of the notification starts here.
通知の日本語訳はここから始まります。

Note: The Japanese version is for reference only. In case of any differences between the English and Japanese version, the English version shall control.

注：日本語版は参照用です。英語版と日本語版の違いがある場合は、英語版が優先されます。



最終製品 / プロセス変更通知

文書番号# : FPCN22523XA

発行日 : 7 February 2019

変更件名:	製造中止となる現行の非導電性エポキシ Hitachi EN4370K3 の代替として、TSOP5、TSOP6、US8、SC82、および SOT23A デバイスにおいて非導電性エポキシダイ接着剤 ABLESTIK 8900NC を認定。																		
初回出荷予定日:	14 May 2019																		
連絡先情報:	現地のオン・セミコンダクター営業所または <PCN.Support@onsemi.com> にお問い合わせください。																		
サンプル:	現地のオン・セミコンダクター営業所または <PCN.Samples@onsemi.com> にお問い合わせください。サンプルは、この変更の初回通知、初回 PCN の日付から 30 日以内に要求してください。																		
追加の信頼性データ:	お客さまの地域のオン・セミコンダクター営業所または <MohdHairwan.MdNor@onsemi.com> にお問い合わせください。																		
通知種別:	これは、お客様宛の最終製品 / プロセス変更通知 (FPCN) です。FPCN は、変更実施の 90 日前に発行されます。オン・セミコンダクターは、この通知の送付から 30 日以内に書面による問い合わせがない限り、この変更が承諾されたものとみなします。お問い合わせは、<PCN.Support@onsemi.com> 宛てをお願いします。																		
変更部品の識別:	新たな材料で組み立てられた製品は日付コードで識別されます。																		
変更カテゴリ:	<input type="checkbox"/> ウェハファブの変更 <input checked="" type="checkbox"/> アセンブリの変更 <input type="checkbox"/> 試験の変更 <input type="checkbox"/> その他 _____																		
変更サブカテゴリ:	<input type="checkbox"/> 製造拠点の追加 <input checked="" type="checkbox"/> 材料の変更 <input type="checkbox"/> データシート/製品資料の変更 <input type="checkbox"/> 製造拠点の移転 <input type="checkbox"/> 製品仕様の変更 <input type="checkbox"/> 出荷/パッケージング/表記 <input type="checkbox"/> 製造プロセスの変更 <input type="checkbox"/> その他 : _____																		
影響を受ける拠点:	オン・セミコンダクター拠点: ON Seremban, Malaysia		外部製造工場 / 下請業者拠点: なし																
説明および目的:	<p>オン・セミコンダクターは、この最終製品変更通知 (FPCN) に記載されている製品に対して、非導電性エポキシダイ接着剤 Ablestik 8900NC を認定したことをお客様にお知らせします。エポキシは、現行の非導電性エポキシダイ接着剤 Hitachi EN4370K3 の製造中止に伴い、それに置き換わります。エポキシダイ接着剤 Hitachi EN4370K3 はもはや入手困難なため、FPCN が承認された段階で対象製品はエポキシ Ablestik 8900NC を使用します。</p> <p>テストの変更はありません。</p> <p>組み立てにおける、本 FPCN に関連する BOM の変更を以下に示します。</p> <table border="1"> <thead> <tr> <th></th> <th>変更前の表記</th> <th>変更後の表記</th> </tr> </thead> <tbody> <tr> <td>ダイ接着剤</td> <td>非導電性エポキシ Hitachi EN4370K3</td> <td>非導電性エポキシ Ablestik 8900NC</td> </tr> </tbody> </table> <p>今回の変更に伴う製品表示の変更はありません。</p>					変更前の表記	変更後の表記	ダイ接着剤	非導電性エポキシ Hitachi EN4370K3	非導電性エポキシ Ablestik 8900NC									
	変更前の表記	変更後の表記																	
ダイ接着剤	非導電性エポキシ Hitachi EN4370K3	非導電性エポキシ Ablestik 8900NC																	
信頼性データの要約:	<p>デバイス名: NLV7WBD3125USG RMS 548814 パッケージ: US8</p> <table border="1"> <thead> <tr> <th>テスト</th> <th>仕様</th> <th>条件</th> <th>間隔</th> <th>結果</th> </tr> </thead> <tbody> <tr> <td>TC</td> <td>JESD22-A104</td> <td>Ta= -65°C to +150°C</td> <td>1000 cyc</td> <td>0/252</td> </tr> <tr> <td>PC</td> <td>J-STD-020 JESD-A113</td> <td>MSL 1 @ 260 °C</td> <td></td> <td>0/252</td> </tr> </tbody> </table>				テスト	仕様	条件	間隔	結果	TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252	PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/252
テスト	仕様	条件	間隔	結果															
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252															
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/252															



デバイス名: NCV551SN30T1G

RMS S48691

パッケージ : TSOP5

テスト	仕様	条件	間隔	結果
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
PTC	JESD22-A105	Ta=-40°C to +125°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/756
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

デバイス名: NCS2002SN1T1G

RMS S48812

パッケージ : TSOP6

テスト	仕様	条件	間隔	結果
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
AC	JESD22-A118	121°C, 100% RH, 15psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/756
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

デバイス名: N24C64UVTG

RMS S49777

パッケージ : US8

テスト	仕様	条件	間隔	結果
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
HAST	JESD22-A110	130°C, 85% RH, 18.8psig, bias	96 hrs	0/252
uHAST	JESD22-A118	130°C, 85% RH, 18.8psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/756
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

デバイス名: NCV305LSQ20T1G

RMS S48688

パッケージ : SC82

テスト	仕様	条件	間隔	結果
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
AC	JESD22-A118	121°C, 100% RH, 15psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/504
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90



デバイス名: NCV51460SN33T1G

RMS S48792

パッケージ: SOT23

テスト	仕様	条件	間隔	結果
HTSL	JESD22-A103	Ta= 150°C	1008 hrs	0/252
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
UHASt	JESD22-A118	130°C, 85% RH, 18.8 psig, unbiased	96 hrs	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/504
RSH	JESD22- B106	Ta = 265C, 10 sec		0/90

デバイス名: NLV7SB3257DTT1G

RMS S48908

パッケージ: SC82

テスト	仕様	条件	間隔	結果
TC	JESD22-A104	Ta= -65°C to +150°C	1000 cyc	0/252
PC	J-STD-020 JESD-A113	MSL 1 @ 260 °C		0/252

電气的特性的要約: 電气的特性への影響はありません。

影響を受ける部品の一覧:

注: 部品一覧には標準部品番号 (既製品) のみが記載されています。本 PCN の影響を受けるカスタム部品番号は、PCN メールで提供される顧客個別の付録、または PCN カスタマイズポータルに記載されています。

部品番号	認定試験用ピークル
M74VHC1GT66DTT1G	NCV551SN30T1G & NLV7SB3257DTT1G
MAX1720EUTG	NCS2002SN1T1G
MC33064SN-5T1G	NCV551SN30T1G & NLV7SB3257DTT1G
MC34064SN-5T1G	NCV551SN30T1G & NLV7SB3257DTT1G
MC34164SN-5T1G	NCV551SN30T1G & NLV7SB3257DTT1G
MC74VHC1G66DTT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCL30073SN065T1G	NCS2002SN1T1G
NCL30100SNT1G	NCS2002SN1T1G
NCL30288BSNT1G	NCS2002SN1T1G
NCP1250ASN65T1G	NCS2002SN1T1G
NCP1250BSN65T1G	NCS2002SN1T1G
NCP12510ASN100T1G	NCS2002SN1T1G
NCP12510ASN65T1G	NCS2002SN1T1G
NCP12510BSN100T1G	NCS2002SN1T1G
NCP12510BSN65T1G	NCS2002SN1T1G
NCP12510CSN65T1G	NCS2002SN1T1G
NCP1251ASN100T1G	NCS2002SN1T1G



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文書番号# : FPCN22523XA

発行日 : 7 February 2019

NCP1251ASN65T1G	NCS2002SN1T1G
NCP1251BSN100T1G	NCS2002SN1T1G
NCP1251BSN65T1G	NCS2002SN1T1G
NCP1251CSN65T1G	NCS2002SN1T1G
NCP1251FSN65T1G	NCS2002SN1T1G
NCP1253BSN100T1G	NCS2002SN1T1G
NCP1253BSN65T1G	NCS2002SN1T1G
NCP1254ASN65T1G	NCS2002SN1T1G
NCP1254BSN65T1G	NCS2002SN1T1G
NCP1256ASN100T1G	NCS2002SN1T1G
NCP1256ASN65T1G	NCS2002SN1T1G
NCP1256BSN100T1G	NCS2002SN1T1G
NCP1256BSN65T1G	NCS2002SN1T1G
NCP1256ESN65T1G	NCS2002SN1T1G
NCP1360AABCYSNT1G	NCS2002SN1T1G
NCP1360BABCYSNT1G	NCS2002SN1T1G
NCP1360BACCYSNT1G	NCS2002SN1T1G
NCP1360BBCCYSNT1G	NCS2002SN1T1G
NCP1360BCCCYSNT1G	NCS2002SN1T1G
NCP1361AABAYSNT1G	NCS2002SN1T1G
NCP1361BABAYSNT1G	NCS2002SN1T1G
NCP1361EABAYSNT1G	NCS2002SN1T1G
NCP1403SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP1406SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP1522BSNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP1529ASNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP1729SN35T1G	NCS2002SN1T1G
NCP300HSN09T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300HSN18T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300HSN27T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300HSN30T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300HSN45T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300HSN47T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN09T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN185T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN185T1GH	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN18T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN20T1G	NCV551SN30T1G & NLV7SB3257DTT1G



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文書番号# : FPCN22523XA

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NCP300LSN20T3G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN25T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN27T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN28T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN30T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN33T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN34T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN44T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN45T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN46T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP300LSN47T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301HSN09T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301HSN18T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301HSN22T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301HSN27T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301HSN30T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301HSN45T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN09T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN10T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN11T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN12T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN16T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN18T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN18T2G	NCV551SN30T1G & NLV7SB3257DTT1G
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NCP301LSN24T1G	NCV551SN30T1G & NLV7SB3257DTT1G
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NCP301LSN25T2G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN26T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN27T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN27T1GH	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN27T2G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN28T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN30T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN30T2G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN31T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN32T1G	NCV551SN30T1G & NLV7SB3257DTT1G



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NCP301LSN33T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN34T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN36T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN39T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN40T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN42T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN45T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN46T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP301LSN47T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP302HSN09T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP302HSN18T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP302HSN27T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP302HSN30T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP302HSN30T1GH	NCV551SN30T1G & NLV7SB3257DTT1G
NCP302HSN40T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP302HSN45T1G	NCV551SN30T1G & NLV7SB3257DTT1G
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NCP303LSN09T2G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN10T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN11T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN13T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN14T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN15T1G	NCV551SN30T1G & NLV7SB3257DTT1G
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文書番号# : FPCN22523XA

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NCP303LSN17T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN18T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN20T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN22T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN23T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN24T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN25T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN26T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN27T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN28T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN29T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN30T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN30T1GH	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN31T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN32T1G	NCV551SN30T1G & NLV7SB3257DTT1G
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NCP303LSN34T1G	NCV551SN30T1G & NLV7SB3257DTT1G
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NCP303LSN40T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN42T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN44T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP303LSN45T1G	NCV551SN30T1G & NLV7SB3257DTT1G
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NCP303LSN49T1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP304ALSQ43T1G	NCV305LSQ20T1G
NCP304HSQ09T1G	NCV305LSQ20T1G
NCP304HSQ18T1G	NCV305LSQ20T1G
NCP304HSQ20T1G	NCV305LSQ20T1G
NCP304HSQ22T1G	NCV305LSQ20T1G
NCP304HSQ27T1G	NCV305LSQ20T1G
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NCP308SN120T1G	NCS2002SN1T1G
NCP308SN125T1G	NCS2002SN1T1G
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NCP308SN330T1G	NCS2002SN1T1G
NCP308SN500T1G	NCS2002SN1T1G
NCP308SNADJT1G	NCS2002SN1T1G
NCP331SNT1G	NCS2002SN1T1G
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NCP360SNAFT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP360SNAIT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP360SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP361SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP380HSN05AAT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP380HSN05AAT2G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP380HSN10AAT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP380HSNAJAAT1G	NCS2002SN1T1G
NCP380LSN05AAT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP380LSN10AAT1G	NCV551SN30T1G & NLV7SB3257DTT1G
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NCP4306DAHZZAASNT1G	NCS2002SN1T1G
NCP431ACSNT1G	NCV51460SN33T1G
NCP431AISNT1G	NCV51460SN33T1G
NCP431AVSNT1G	NCV51460SN33T1G



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NCP431BISNT1G	NCV51460SN33T1G
NCP431BVPSNT1G	NCV51460SN33T1G
NCP431BVSNT1G	NCV51460SN33T1G
NCP4328BSNT1G	NCS2002SN1T1G
NCP4352SNT1G	NCS2002SN1T1G
NCP4353ASNT1G	NCS2002SN1T1G
NCP4353BSNT1G	NCS2002SN1T1G
NCP5005SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP5006SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NCP5007SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
NL7WB66USG	NLV7WBD3125USG & N24C64UVTG
NLAS1053USG	NLV7WBD3125USG & N24C64UVTG
NLAS2066USG	NLV7WBD3125USG & N24C64UVTG
NLAS2066UST3G	NLV7WBD3125USG & N24C64UVTG
NLAS323USG	NLV7WBD3125USG & N24C64UVTG
NLAS324USG	NLV7WBD3125USG & N24C64UVTG
NLAS325USG	NLV7WBD3125USG & N24C64UVTG
NLAS4599DTT1G	NCS2002SN1T1G
NLAST4599DTT1G	NCS2002SN1T1G
NS5B1G384DTT1G	NCV551SN30T1G & NLV7SB3257DTT1G
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SCP380HSNAJAAT1G	NCS2002SN1T1G
SCY1406SNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
SCY99234SN1T1G	NCV51460SN33T1G
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SCYAST4599DTT1G	NCS2002SN1T1G
TLV431ASN1T1G	NCV51460SN33T1G
TLV431ASNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
TLV431BSN1T1G	NCV51460SN33T1G
TLV431BSNT1G	NCV551SN30T1G & NLV7SB3257DTT1G
TLV431CSN1T1G	NCV51460SN33T1G

Appendix A: Changed Products

D

Product	Customer Part Number	Qualification Vehicle
M74VHC1GT66DTT1G		NCV551SN30T1G & NLV7SB3257DTT1G
MAX1720EUTG		NCS2002SN1T1G
MC33064SN-5T1G		NCV551SN30T1G & NLV7SB3257DTT1G
MC34064SN-5T1G		NCV551SN30T1G & NLV7SB3257DTT1G
MC34164SN-5T1G		NCV551SN30T1G & NLV7SB3257DTT1G
MC74VHC1G66DTT1G		NCV551SN30T1G & NLV7SB3257DTT1G
NCL30073SN065T1G		NCS2002SN1T1G
NCL30100SNT1G		NCS2002SN1T1G
NCL30288BSNT1G		NCS2002SN1T1G
NCP1250ASN65T1G		NCS2002SN1T1G
NCP1250BSN65T1G		NCS2002SN1T1G
NCP12510ASN100T1G		NCS2002SN1T1G
NCP12510ASN65T1G		NCS2002SN1T1G
NCP12510BSN100T1G		NCS2002SN1T1G
NCP12510BSN65T1G		NCS2002SN1T1G
NCP12510CSN65T1G		NCS2002SN1T1G
NCP1251ASN100T1G		NCS2002SN1T1G
NCP1251ASN65T1G	NCP1251BSN100T1G	NCS2002SN1T1G
NCP1251BSN100T1G		NCS2002SN1T1G
NCP1251BSN65T1G		NCS2002SN1T1G
NCP1251CSN65T1G		NCS2002SN1T1G
NCP1251FSN65T1G		NCS2002SN1T1G
NCP1253BSN100T1G		NCS2002SN1T1G
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NCP1360BACCYSNT1G	NCP1360BACCYSNT1G	NCS2002SN1T1G
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NCP1360BCCYSNT1G		NCS2002SN1T1G
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NCP1406SNT1G		NCV551SN30T1G & NLV7SB3257DTT1G
NCP1522BSNT1G		NCV551SN30T1G & NLV7SB3257DTT1G
NCP1529ASNT1G		NCV551SN30T1G & NLV7SB3257DTT1G
NCP1729SN35T1G	NCP1729SN35T1G	NCS2002SN1T1G
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NCP300HSN18T1G		NCV551SN30T1G & NLV7SB3257DTT1G
NCP300HSN27T1G		NCV551SN30T1G & NLV7SB3257DTT1G
NCP300HSN30T1G		NCV551SN30T1G & NLV7SB3257DTT1G
NCP300HSN45T1G		NCV551SN30T1G & NLV7SB3257DTT1G
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NCP300LSN18T1G		NCV551SN30T1G & NLV7SB3257DTT1G
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NCP308SNADJT1G		NCS2002SN1T1G
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NCP380HSN05AAT2G		NCV551SN30T1G & NLV7SB3257DTT1G
NCP380HSN10AAT1G		NCV551SN30T1G & NLV7SB3257DTT1G
NCP380HSNAJAAT1G		NCS2002SN1T1G
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NCP431AVSNT1G		NCV51460SN33T1G
NCP431BCSNT1G		NCV51460SN33T1G
NCP431BISNT1G		NCV51460SN33T1G
NCP431BVSNT1G		NCV51460SN33T1G
NCP4328BSNT1G		NCS2002SN1T1G
NCP4352SNT1G		NCS2002SN1T1G
NCP4353ASNT1G		NCS2002SN1T1G
NCP4353BSNT1G		NCS2002SN1T1G
NCP5005SNT1G		NCV551SN30T1G & NLV7SB3257DTT1G
NCP5006SNT1G		NCV551SN30T1G & NLV7SB3257DTT1G
NCP5007SNT1G		NCV551SN30T1G & NLV7SB3257DTT1G
NL7WB66USG		NLV7WBD3125USG & N24C64UVTG
NLAS1053USG		NLV7WBD3125USG & N24C64UVTG
NLAS2066USG		NLV7WBD3125USG & N24C64UVTG
NLAS2066UST3G		NLV7WBD3125USG & N24C64UVTG
NLAS323USG		NLV7WBD3125USG & N24C64UVTG
NLAS324USG		NLV7WBD3125USG & N24C64UVTG
NLAS325USG		NLV7WBD3125USG & N24C64UVTG
NLAS4599DTT1G		NCS2002SN1T1G
NLAST4599DTT1G		NCS2002SN1T1G
NS5B1G384DTT1G		NCV551SN30T1G & NLV7SB3257DTT1G
NS5B1G385DTT1G		NCV551SN30T1G & NLV7SB3257DTT1G
TLV431ASN1T1G		NCV51460SN33T1G
TLV431ASNT1G		NCV551SN30T1G & NLV7SB3257DTT1G
TLV431BSN1T1G		NCV51460SN33T1G
TLV431BSNT1G		NCV551SN30T1G & NLV7SB3257DTT1G
TLV431CSN1T1G		NCV51460SN33T1G